Data:

Tuesday, 23/09/2008 10:22:07 AM

Julie Lecocq User:

Process Sheet

Customer Job Number : CU-DAR001 Dart Helicopters Services

: 42222

Estimate Number P.O. Number

: 10327

This Issue

: 23/09/2008

: NC

: // : 40724

: MACHINED PARTS

S.O. No. :

Part Number

Drawing Name

: D2741

Drawing Number

: D2741 REV C : N/A

: BLADE

Project Number

Drawing Revision

Material **Due Date**

: 10/10/2008

: C

Qty: Um: Each

Previous Run Written By

Prsht Rev.

First Issue

Checked & Approved By

Comment

: Est Rev: Ď

00.11.15

Removed P/O turning - in house

processEC

Est Rev: E

06-03-20 As Per Rev C

JLM

Est Rev: F

06.04.20

Added grinding after heat treating EC

Additional Product

Job Number:



Seq. #:

Description:

1.0

M4130NB0500X03000

4130 Bar 0.500 x 3.00

Comment: Qty.:

Total:

48 f(s)

4130 BAR 0.5 x 3.0"

Material: 4130 steel bar 0.50" x 3.00"

Batch: M 107899

BAND SAW

2.0

BAND SAW

Comment: BAND SAW

Cut blanks 13.850" long +0.063" -0.000"

3.0

HAAS1

Comment: HAAS CNC VERTICAL MACHINING #1

1-Machine per folio FA108



Dart Aerospace Ltd

W/O:			WO	RK ORDER CHA	NGES					
DATE	STEP	PRO	CEDURE CHAN	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	·		•							
Part No	:	PAR #:	Fault Categ	ory:	NC	R: Yes N	lo DQ	4 :	_ Date: _	
	R	esolution:	Disposition	:	QA	: N/C Clo	sed:		Date: _	
NCR:			WORK ORDE	R NON-CONFO	RMANCE	(NCR)				
DATE	STEP	Description of NC	Initial	Corrective Action Action Descript	Section B	Sign &	Verific		Approval	Approval
25.		Section A	Chief Eng	Chief Eng		Date	Secti	on C	Chief Eng	QC Inspector
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								X		
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NOTE: Date & initial all entries

Tuesday, 23/09/2008 10:22:08 AM Date: Julie Lecocq الله: **Process Sheet** Drawing Name: BLADE Customer: CU-DAR001 Dart Helicopters Services Job Number: 42222 Part Number: D2741 Job Number: Seq. #: Description: **Machine Or Operation:** INSPECT PARTS AS THEY COME OFF MACHINE QC2 4.0 PARTS AS THEY COME OFF MACHINE Comment: INSPECT SECOND CHECK OC8 5.0 Comment: SECOND CHECK SMALL FAB 1 SMALL & MEDIUM FAB RESOURCE 1 6.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 1-Deburr 2-Bend per Dwg D2741 INSPECT WORK TO CURRENT STEE QC5 7.0 Comment: INSPECT WORK TO CURRENT STEP **OUTSIDE SERVICES-MACH OUTSIDE SERV.30** 8.0 Comment: Sub-Contracting PURCHASING Issue P/O: 7408 CX68110/21 Harden material as per Dwg D2741 Min. Ultimate Tensile Strength = 152 ksi (34-40 HRC) Min. Yield Tensile Strength = 141 ksi Test report or Certification required PACKAGING RESOURCE #1 9.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Receive and Inspect for transit damage Ensure Test report or Certification attached 10.0 QC5 INSPECT WORK TO CURRENT Comment: INSPECT WORK TO CURRENT STEP 11.0 SMALL FAB 1 SMALL & MEDIUM FAB RESOURCE 1 Comment: SMALL & MEDIUM FAB RESOURCE 1-Pass in deburring machine 2-Grind-off edges

Dart Aerospace Ltd

Dail Ac	ospace	Liu							
W/O:			W	ORK ORDER CHANG	iES				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	, [Oate Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				÷					
Part No	:	PAR #:	Fault Cate	egory:	NCR: Y	es No	DOA:	Date:	}
		esolution:							
NCR:			WORK ORD	ER NON-CONFORM	ANCE (N	ICR)	-		
DATE	0750	Description of NC			tion B		Verification	Approval	Approval
DATE	STEP	Section A	. Initial Chief Eng	Action Description Chief Eng	Sig D	gn & late	Section C	Chief Eng	QC Inspector
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NOTE: Date & initial all entries

Date: IJser:

Tuesday, 23/09/2008 10:22:08 AM

Customer: CU-DAR001 Dart Helicopters Services

Julie Lecocq

Process Sheet

Job Number: 42222

Drawing Name: BLADE

Part Number: D2741

Job Number:

Seq. #:

Machine Or Operation:

POWDER COATING

12.0

POWDER COATING

14/109/52



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.2) as per QSI 005 4.3

START TIME: **OVEN TEMPERATURE:** FINISH TIME:

Description:

QC3 13.0

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION



11-14

14.0

15.0

PACKAGING 1

PACKAGING RESOURCE #1





Identify and Stock

Location:

QC21



40

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



08-11-17

Dart Aerospace Ltd								
W/O:			WORK ORDER CH	IANGES				4.
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		DAD #.	Foult Catagony	NCD: Vos	No DO	Δ.	Data	
rait NO			Fault Category:					
	Resolution	n:	Disposition:	QA: N/C (Closed:		Date: _	

NCR:	R: WORK ORDER NON-CONFORMANCE (NCR)			WORK ORDER NON-CONFORMANCE (NCR)				
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
•								
					:	:		
							•	
								:

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	H3337
Description: Blade	Part Number:	D2741
Inspection Dwg: D2741 Rev: C		Page 1 of 1

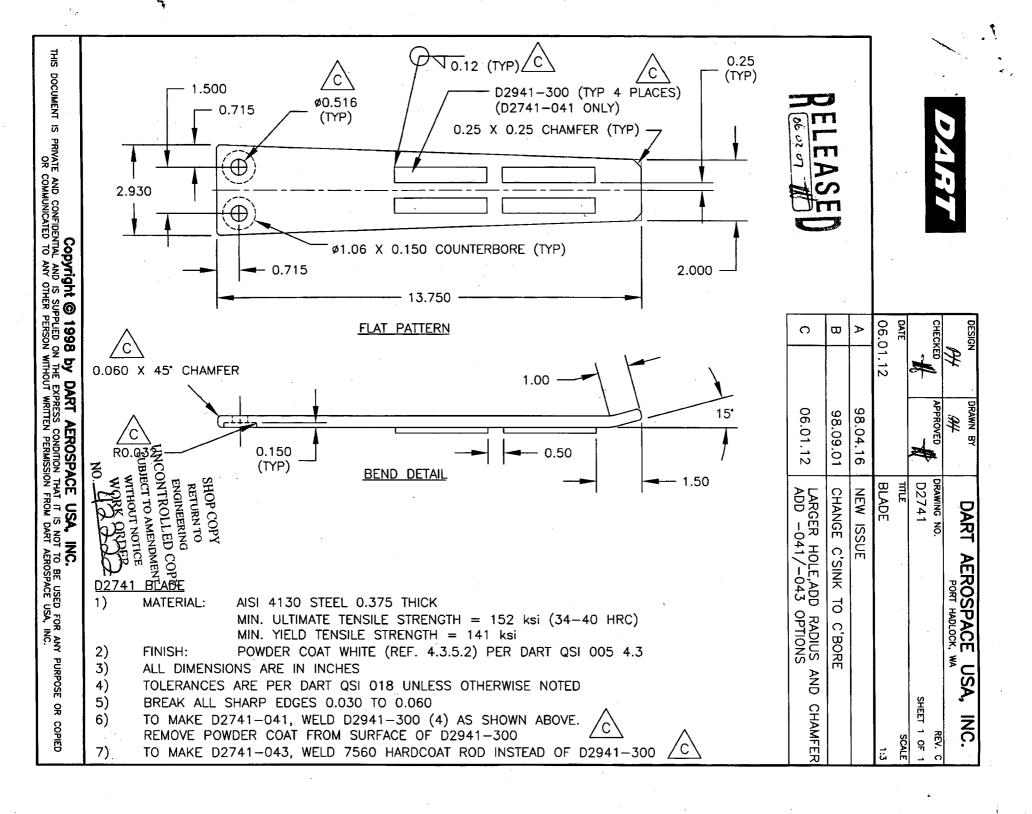
FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
` √1.500	+/-0.010	1.498				
0.715	+/-0.010	715				
Ø0.516	+0.008/-0.001	Ø.577		1	:	
2.000	+/-0.010	2000		•	·	
13.750	+/-0.010	13.750				
Ø1.06 x 0.150	+0.012/-0.001 x +/-0.010	81.064X.14,	2			
2.930	+/-0.010	2.930				
0.375	+/-0.010	.366				
0.25 x 0.25	+/-0.030	250X.25				
		·	-			
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Measured by: Ju	1	Audited by: \mathcal{J} , \mathcal{A}	Prototype Approval:	N/A
Date: 08//	/13	Date: 08/10/16	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	03.12.22	New Issue	KJ/RF	
В	06.03.09	Revised per Rev. C	KJ/JLM	
			'()	/ /





PACKING SLIP

OAK 103830-1

BILL TO:

HEAD OFFICE 1371 Speers Road, Oakville, Ontario CANADA L6L 2X5 Tel.: (905) 827-4171 FAX: (905) 827-7489

QUEBEC DIVISION 7450 RUE VÉRITÉ STREET, ST. LAURENT. QUÉBEC CANADA H4S 1C5 TEL: (514) 334-4240 FAX: (514) 334-6269

GST No.: R105468102

11/10/2008

MM / DD / YYYY

1

PAGE:

1DAR01

DART AEROSPACE LTD. 1270 ABERDEEN ST.

HAWKESBURY, ON

SHIP TO: DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON

K6A 1K7

K6A 1K7

DATE SHIPPED	SHIP VIA	F.O.B.
11/10/2008		ORIGIN
CUSTOMER P/O No.	JOB No.	TERMS
7408		NET 30 DAYS

				T		
LN	PART NO	DESCRIPTION	иом	QTY ORDERED	QTY SHIPPED	B/O QTY
	D2741 Process Specification HARDENED PER DWG. D. 100% HARDNESS TESTER MATERIAL: 4130	(B 42222) ons: Procedure: 4161 2741 TO 152 KSI MINIMUM D PER ASTM E-18, 34/40 HRC	EA	40	40	
02	MC	MINIMUM CHARGE 100 LBS @ \$2.35/LB		1	1	

No claims for shortage in weight or count will be entertained, unless presented within 5 working days after receipt of materials by customer.







RELEASE NOTE

PAGE:

GST No.: R105468102

OAK 103830-1

HEAD OFFICE 1371 Speers Road, Oakville, Ontario Canada L6L 2X5

Tel: (905) 827-4171 FAX: (905) 827-7489

2009 WYECROFT ROAD, UNIT B OAKVILLE, ONT. .10 CANADA L6I 6 Tel: (905) 827-7 '7 Fax: (905) 827-1380

QUEBEC DIVISION 7450 RUE VÉRITÉ STREET. ST. LAURENT, QUÉBEC CANADA H4S 1C5

11/10/2008

MM / DD / YYYY

1

1DAR01

BILL TO:

DART AEROSPACE LTD. 1270 ABERDEEN ST.

HAWKESBURY, ON

SHIP TO: DART AEROSPACE LTD. 1270 ABERDEEN ST.

Tel: (514) 334-4240 Fax: (514) 334-6269

HAWKESBURY, ON

K6A 1K7

K6A 1K7

DATE SHIPPED	SHIP VIA	F.O.B.
11/10/2008		ORIGIN
CUSTOMER P/O No.	JOB No.	TERMS
7408	•	NET 30 DAYS

QTY ORD QTY SHPD PART No. DESCRIPTION иом **TEST RESULTS**

D2741

(B 42222)

EΑ

40 40

Process Specifications: Proce ure: 4161 HARDENED PER DWG. D2741 TO 152 KSI MIN MUM

100% HARDNESS TESTED PER ASTM E-18, 34 40 HRC

MATERIAL: 4130

100% HARDNESS TESTED

40 ps.

I hereby certify that the material covered by this release note has been inspected and tested and conforms to all specifications relevant thereto in accordance with the conditions of the contract / or pur hase order.

ON BEHALF OF VAC AERO INTERNATIONAL INC

Authorized Q.C. Inspector

HEAT

TREATING

